JOB DESCRIPTION

Designation	AI Application Development Associate (TP Career Kickstarter)
School/Department	School of Engineering / Enabling Technology Collaboratory (ETC)
Number of Position	1
Duration	12 months

Key Responsibilities

- Collect, prepare, and manage datasets to support application development.
- Design and develop front-end and back-end applications.
- Develop and implement GenAI and AI applications.
- Build, deploy, and maintain cloud-based applications.
- Prepare and maintain comprehensive documentation for developed applications.
- Work with a team of scientists, developers and engineers to develop in-demand AI applications for industry partners
- Work on the following 2 projects for SBS Transit:
- AI-Assisted Training and Learning with Learning Analytics and Recommendation System (ATLAS)
- AI-Assisted Work Instruction and Safety Analyzer (AWISA)

Prerequisites

- Qualification in suitable disciplines including Computer Engineering, Applied AI or Information Technology.
- Proficient in Angular or similar tools for frontend development.
- Have understanding of PostgreSQL or similar relational databases.
- Experience in back-end development (e.g. Node.js, Python).
- Familiar with machine learning, Generative AI, Cloud Services (e.g. AWS) and version control (e.g. GIT).
- Strong interpersonal skills with the ability to collaborate across teams.
- Strong analytical thinking with attention to detail.
- Positive attitude and willingness to learn.
- Able to work independently with minimal supervision.